CLAIMS

What is claimed is

1. In a data transmission system for transporting data packets created according to a defined data protocol for processing data, the protocol including

    a) a process for computing an error detection code to be included in a packet transported by the system and

    b) a process for detecting possible errors in the packet by utilizing such error detection code,

a method for tagging a special data packet, comprising the steps of:

    1) examining the special data packet without the error detection code;

    2) determining, from the examining step, additional data to be included with the special data packet in order to cause the error detection process to compute a predetermined sequence of error detection code; and

    3) modifying the special data packet by including the additional data determined by the determining step.

2. A method for tagging a special data packet, as recited in claim 1, in which the predetermined sequence is composed of identical symbols.

3. In a data transmission system for transporting data packets created according to a defined data protocol for processing data, the protocol including

    a) a process for computing an error detection code to be included in a packet transported by the system and

    b) a process for detecting possible errors in the packet by utilizing such error detection code,

a method for detecting a special data packet, comprising the steps of:

    1) identifying, by reference to the data protocol, error detection code associated with a data packet;

    2) comparing the error detection code with a predetermined sequence; and

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3) determining the data packet to be a special tagged data packet when the comparing step results in a match.

5　　4. A method for tagging a special data packet, as recited in claim 3, in which the predetermined sequence is composed of identical symbols.

5. In a data transmission system for transporting data packets created according to a defined

10　　data protocol for processing data, a method for tagging a special data packet, comprising the steps of:

1) defining a subset of data within the special data packet, excluding any error correcting code contained in the packet;

2) by utilizing a suitable algorithm for generating a code sequence as a function of the data subset, determining what additional data which, when added to the subset, causes the algorithm to generate a predetermined code sequence; and

20　　3) adding the additional data to the data packet.

6. A method for tagging a special data packet, as recited in claim 5, in which the predetermined sequence is composed of identical symbols.

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7. In a data transmission system for transporting data packets created according to a defined data protocol for processing data, a method for detecting a special data packet, comprising the steps of:

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1) identifying a predefined subset of data within a trial data packet;

2) generating a code sequence as a function of the subset by utilizing a suitable algorithm;

3) comparing the generated code sequence with a predetermined sequence; and

4) identifying the trial data packet as a special data packet when the comparing step results in a match.

5   8. A method for detecting a special data packet, as recited in claim 7, in which the predetermined sequence is composed of identical symbols.